

PROJECT DESCRIPTION

THIS PHASE OF M.O.T. INVOLVES THE PARTIAL INSTALLATION OF A NEW TRAFFIC SIGNAL FOR TEMPORARY SIGNAL USE AT THE INTERSECTION OF MD 216 AND LEISHEAR ROAD IN HOWARD COUNTY. MD 216 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

I. NORMAL OPERATION

THIS INTERSECTION SHALL OPERATE IN A THREE PHASE SEMI-ACTUATED MODE WITH THE LEISHEAR ROAD SOUTHBOUND LEFT TURN PHASE OPERATING IN A LEAD PHASE. THE LEISHEAR THROUGH MOVEMENTS SHALL OPERATE CONCURRENTLY. THE MD 216 MOVEMENTS SHALL OPERATE ALONE.

CONTROLLER REQUIREMENTS

A FULLY-TRAFFIC-ACTUATED EIGHT PHASE TRAFFIC SIGNAL CONTROLLER IN A BASE-MOUNTED SYSTEM READY CABINET HOUSED IN A NEMA SIZE 6" BASE MOUNTED CABINET.

PROJECT CONTACTS

CONTACTS FOR DISTRICT 7:

MR. JOHN CONCANNON  
ASSISTANT DISTRICT ENGINEER - TRAFFIC  
PHONE: (301) 624-8140

MR. JAMES BUCKALEW  
DISTRICT UTILITIES ENGINEER  
PHONE: (301) 624-8115

MR. DAVE COYNE  
ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
PHONE: (301) 624-8105

THE POWER COMPANY REPRESENTATIVE:  
MR. BILL HARTMAN  
BG&E POWER COMPANY  
PHONE: (410) 291-3570

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY:

MR. RICHARD DAFF SR.  
CHIEF, TRAFFIC OPERATIONS  
410-787-7630

MR. ROBERT SNYDER  
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS  
410-787-7630

MR. ED RODENHIZER  
TEAM LEADER SIGNAL OPERATIONS  
410-787-7650

MR. EUGENE BAILEY  
TEAM LEADER SIGN OPERATIONS  
410-787-7676

MS. DARLENE EIDE  
SIGNAL SHOP WAREHOUSE  
410-787-7668

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA.

CATEGORY CODE NO.	QUANTITY	DESCRIPTION
	NONE	

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

CATEGORY CODE NO.	QUANTITY	DESCRIPTION
585462	1 L.S.	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS - ANY WIDTH
585624	1 L.S.	24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
800000	1 L.S.	REMOVE AND DISPOSE OF EXISTING EQUIPMENT
800000	1 L.S.	BACKGUY AND ANCHOR ASSEMBLY
800000	1 L.S.	RELOCATE EXISTING SIGN ON SPAN WIRE
800000	1 L.S.	RELOCATE EXISTING VIDEO DETECTION CAMERA
801004	1 L.S.	CONCRETE FOR SIGNAL FOUNDATION
802501	1 L.S.	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
805135	1 L.S.	3" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
805140	1 L.S.	4" SCHEDULE 80 RIGID PVC CONDUIT - BORED
805145	1 L.S.	2" SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED
805150	1 L.S.	3" SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED
805155	1 L.S.	4" SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED
811001	1 L.S.	ELECTRICAL HANDHOLE
816001	1 L.S.	VIDEO DETECTION CAMERA
816010	1 L.S.	CONTROL CABLE, 500 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER
818041	1 L.S.	STEEL POLE WITH A SINGLE 60 FT. MAST ARM
818052	1 L.S.	STEEL POLE WITH A SINGLE 70 FT. MAST ARM
831010	1 L.S.	250 WATT HIGH PRESSURE SODIUM LUMINAIRE WITH PHOTOCELL
837001	1 L.S.	GROUND ROD - 3/4 IN. DIAMETER x 10 FT. LENGTH
860272	1 L.S.	12 IN. TRAFFIC SIGNAL HEAD SECTION
861107	1 L.S.	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
861108	1 L.S.	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)
861116	1 L.S.	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 12 AWG)
869101	1 L.S.	STEEL SPAN WIRE - 1/4 INCH DIAMETER
869102	1 L.S.	STEEL SPAN WIRE - 3/8 INCH DIAMETER
866104	1 L.S.	20 FOOT LIGHTING ARM ON SIGNAL STRUCTURE

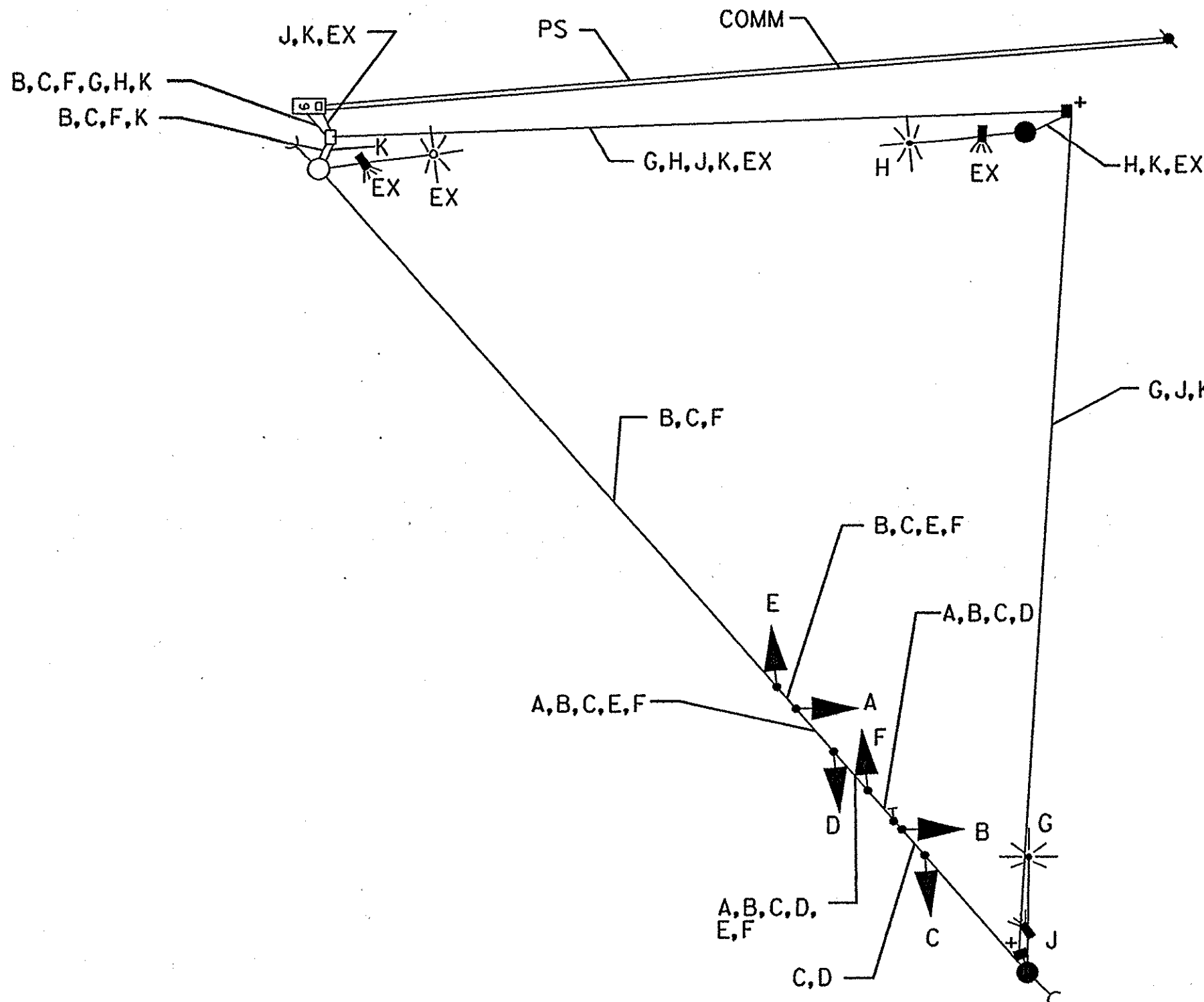
EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7491 CONNELLEY DRIVE, HANOVER, MARYLAND 21076.

QUANTITY	DESCRIPTION
NONE	

NOTES: 1. THE CONTRACTOR SHALL NOTIFY THE SHA AT 410-787-7652 AT LEAST THREE DAYS IN ADVANCE OF DELIVERY.

2. ALL EQUIPMENT TO BE REMOVED AND NOT LISTED ABOVE SHALL BECOME THE PROPERTY OF THE CONTRACTOR.



WIRING KEY

A,B,C, } 5-CONDUCTOR ELECTRICAL D,E } CABLE (NO. 14 A.W.G.)	K } STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
F } 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)	+ - 3/4 IN. x 10 FT. GROUND ROD
G,H } 2-CONDUCTOR ELECTRICAL CABLE (NO. 12 A.W.G.)	PS } PROPOSED UNDERGROUND SERVICE TO BE PROVIDED BY BG&E
J } VIDEO DETECTION CAMERA TO CONTROLLER CABLE	EX } USE EXISTING CABLE INSTALLED UNDER PREVIOUS PHASE
	COMM - PROPOSED PHONE DROP

PHASE CHART

	1	2	3	4	5	6
	(R)	(R)	(R)	(R)	(R)	(R)
	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)
	(G)	(G)	(G)	(G)	(G)	(G)
PHASE 2	G	G	R	R	R	R
2 CHANGE	Y	Y	R	R	R	R
PHASE 4+7	R	R	R	R	G	G
4+7 CHANGE	R	R	R	R	G	G
PHASE 4+8	R	R	G	G	G	G
4+8 CHANGE	R	R	Y	Y	Y	Y
FLASHING OPERATION	FL/R	FL/R	FL/Y	FL/Y	FL/Y	FL/Y

NO CHANGE - USE EXISTING PHASING

M.O.T. PHASE 3B

SG-10



RUMMEL, KLEPPER  
& KAHL, LLP

CONSULTING ENGINEERS

81 MOSHER STREET  
BALTIMORE, MARYLAND 21217



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION

Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

MD 216 AND LEISHEAR ROAD

GENERAL INFORMATION PLAN

DESIGNED BY: HEH	F.A.P. NO. AC-STP-G-3605(2)N	TS NO. TS-1570D	SHEET NO.
CHECKED BY: DAE/BLB	S.H.A. NO. H03065171	T.I.M.S. NO.	
SCALE: 1"=20'	COUNTY: HOWARD	F-513	II OF 35
DATE: MAY 21, 2003	LOG MILE: 13021602.68		